

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	178	162/164.4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/17 11:08
S1	4	((("5888290") or ("5760126"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:17
S2	8	"0069976"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:17
S3	9	"1498925"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:17

S4	5	"11001893"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:18
S5	7113	propanesulfonic near3 acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:27
S6	693	1-propanesulfonic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:28
S7	15867576	3-(trihydroxysilyl) or 3-trihydroxysilyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:30
S8	223	silanetriol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:30
S9	0	"3-(trihydroxysilyl)"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:31

S10	0	trihydroxysilyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:31
S11	1969	3-mercaptopropyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:31
S12	0	S1 and (S6 S8 S11)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:32
S13	994	(162/164.6).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:33
S14	780	(162/164.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:33
S15	1260	(162/175).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:33

S16	925	(162/183).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:33
S17	442	(516/111).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:34
S18	0	("1314151617").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:34
S19	3650	S13 S14 S15 S16 S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:35
S20	2	S19 and (S6 S8 S11)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:35
S21	2587	S19 and (S6 S7 S8 S11)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:38

S22	25	S19 and (S6 S5 S8 S11)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/12 16:39
S23	7	((("3689300") or ("4950502"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/12 16:46
S24	18273	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:52
S25	278003	sulfonic near4 acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:53
S26	94649	mercapto	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:54
S27	444	S24 and S25 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:54

S28	294	paper and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:54
S29	243	radical and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:54
S30	5700	paper near6 retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:55
S31	3	S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 11:55
S32	10	radical and paper and (S24 with (S25 S26))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 12:02
S33	10	(US-20080286628-\$ or US-20080158675-\$ or US-20070272383-\$ or US-20040241522-\$ or US-20040202873-\$ or US-20030040561-\$).did. or (US-7371480-\$ or US-7361407-\$ or US-6797391-\$ or US-4567231-\$).did.	US-PGPUB; USPAT	OR	ON	2009/01/13 15:43

S34	556424	polyethylenimines polyamidoamines polyacrylamides polyvinylamines starch guar flour	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:44
S35	1	S33 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:44
S36	488617	polyethylenimine polyamidoamine polyacrylamide polyvinylamine starch guar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S37	1	S33 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S38	18273	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S39	278003	sulfonic near4 acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45

S40	94649	mercapto	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S41	10	radical and paper and (S38 with (S39 S40))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S42	444	S38 and S39 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S43	294	paper and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:45
S45	1	(S34 S36) and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:46
S46	556424	polyethylenimines polyamidoamines polyacrylamides polyvinylamines starch guar flour	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47



S47	488617	polyethylenimine polyamidoamine polyacrylamide polyvinylamine starch guar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47
S48	18273	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47
S49	278003	sulfonic near4 acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47
S50	94649	mercapto	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47
S51	444	S48 and S49 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47
S52	294	paper and S51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47

S53	143	(S46 S47) and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:47
S54	2191	(polyethylenimines polyamidoamines polyacrylamides polyvinylamines starch guar) and (silica adj sol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:56
S55	1206	S54 and paper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:56
S56	472	S55 and sulfonic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 15:57
S57	14	(US-20040202873-\$ or US-20040241522-\$).did. or (US-5760126-\$ or US-5888290-\$ or US- 6331229-\$ or US-4950502-\$ or US-6022449-\$ or US-4567231-\$ or US-5368833-\$).did. or (US- 2441422-\$ or US-3689300-\$).did. or (WO- 0069976-\$ or CN-1498925-\$ or JP-11001893-\$). did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/01/13 16:44

S58	0	("18andsulfurandcontent").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/13 16:44
S59	4	S57 and sulfur and content	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:45
S60	2	S51 and mole% and sulfur	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:50
S61	370656	mole and (percentage percent ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:02
S62	521175	sulfur sulphur	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:03
S63	123728	mole adj (percentage percent ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:05

S64	14	S48 same S63 same S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:05
S65	18273	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S66	521175	sulfur sulphur	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S67	123728	mole adj (percentage percent ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S68	14	S65 same S67 same S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S69	18273	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46

S70	278003	sulfonic near4 acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S71	94649	mercapto	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S72	444	S69 and S70 and S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:46
S73	0	S72 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:48
S74	22	S72 and S66 and S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/14 08:49
S75	4	"2003066617"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/27 07:06

S76	2	"20030066617"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/27 07:06
S77	2	("4690868").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/27 07:07
S78	2	("5205860").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/03 09:02
S79	2	"20050200591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:12
S80	3	"2005200591"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:13
S81	2	kalla and butts and williams and genovese	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:13

S82	226	silanetriol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:14
S83	17	(US-20040202873-\$ or US-20040241522-\$ or US-20030066617-\$).did. or (US-5760126-\$ or US-5888290-\$ or US-6331229-\$ or US-4950502-\$ or US-6022449-\$ or US-4567231-\$ or US-5368833-\$ or US-4690868-\$ or US-5205860-\$).did. or (US-2441422-\$ or US-3689300-\$).did. or (WO-0069976-\$ or CN-1498925-\$ or JP-11001893-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/03/03 09:18
S84	1	S82 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:18
S85	36058	montmorillonite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:23
S86	2	S85 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:24

S87	5	"1-(3-aminopropyl)-"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:31
S88	0	S87 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:32
S89	3	S82 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:33
S90	707	1-propanesulfonic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:35
S91	12	S90 and S85	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:35
S92	228	silanetriol\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:45



S93	18482	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:46
S94	41	S92 and S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:46
S95	0	"(3-Aminopropyl)silanetriol <sup>23</sup> "	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:58
S96	32	"(3-Aminopropyl)silanetriol"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:58
S97	32	"3-Aminopropylsilanetriol"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:58
S98	32	S96 S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:58

S99	11	S98 and paper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 09:58
S100	0	"3-(TRIHIDROXYSILYL) PROPANE-1-SULFONIC ACID"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 10:09
S101	0	"3-(Trihydroxysilylpropyl)-1-propanesulphonic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 10:10
S102	8	"3-(Trihydroxysilyl)Propanesulfonic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/03 10:11
S103	10639	"(3-mercaptopropyl)trimethoxysilane" (3-mercaptopropyl) adj trimethoxysilane (mercaptopropyl adj trimethoxysilane) (mercaptopropyltrimethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 12:20
S104	486	S103 and paper and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 12:21

S105	17	(US-20040202873-\$ or US-20040241522-\$ or US-20030066617-\$).did. or (US-5760126-\$ or US-5888290-\$ or US-6331229-\$ or US-4950502-\$ or US-6022449-\$ or US-4567231-\$ or US-5368833-\$ or US-4690868-\$ or US-5205860-\$).did. or (US-2441422-\$ or US-3689300-\$).did. or (WO-0069976-\$ or CN-1498925-\$ or JP-11001893-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/09/21 12:21
S106	0	S104 and S105	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 12:21
S107	4	S104 and paper?making	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 12:21
S108	31	S103 and paper same retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 12:22
S109	17	(US-20040202873-\$ or US-20040241522-\$ or US-20030066617-\$).did. or (US-5760126-\$ or US-5888290-\$ or US-6331229-\$ or US-4950502-\$ or US-6022449-\$ or US-4567231-\$ or US-5368833-\$ or US-4690868-\$ or US-5205860-\$).did. or (US-2441422-\$ or US-3689300-\$).did. or (WO-0069976-\$ or CN-1498925-\$ or JP-11001893-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/09/21 14:32

S110	4	S109 and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 14:32
S111	10639	"(3-mercaptopropyl)trimethoxysilane" (3-mercaptopropyl) adj trimethoxysilane (mercaptopropyl adj trimethoxysilane) (mercaptopropyltrimethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 14:50
S112	31	S111 and paper same retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 14:50
S113	23	S111 same retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:31
S114	7	S113 and paper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:31
S115	187	S111 and ((production manufacturing making) with (paper))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:35

S116	43	S115 and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:35
S117	1	(10/561620).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/21 15:35
S118	13	S116 and paper with retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:37
S119	18	("2244324"   "5368833"   "5888290"   "5368833"   "5603805"   "5643414"   "5760126"   "5888290").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:50
S120	2	S119 and S111	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:51
S121	398	MPTMS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:53

S122	1	S119 and S121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:53
S123	1	S109 and S121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:53
S124	4	S119 and paper with retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 15:56
S125	2	("5631338").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/21 16:03
S126	1	S111 and S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 16:03
S127	239	(paper?making (paper adj making) (paper with (manufacture production))) and (silica with sol) and (retention strength) and (sulfonic mercapto)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 16:18

S128	14	S111 and S127	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/21 16:18
S129	2	("5643414").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/22 10:32
S130	16	trihydroxysilylpropanesulfonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:36
S131	11	S130 and paper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:37
S132	2	S131 and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:37
S133	200	"1-amino-8-hydroxynaphthalene-3,6-disulfonic acid" l-acid "2-amino-5-hydroxy-naphthalene-7-sulfonic acid" gamma adj "2-amino-8-hydroxy-6-sulfonic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:40

S134	5	S133 and paper and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:40
S135	4	((("4753710") or ("4913775"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/22 10:47
S136	772	1-propanesulfonic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49
S137	16492704	3-(trihydroxysilyl) or 3-trihydroxysilyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49
S138	2141	3-mercaptopropyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49
S139	5	"1-(3-aminopropyl)-"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49



S140	41	"3-Aminopropylsilanetriol"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49
S141	10642	"(3-mercaptopropyl)trimethoxysilane" (3-mercaptopropyl) adj trimethoxysilane (mercaptopropyl adj trimethoxysilane) (mercaptopropyltrimethoxysilane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49
S142	3	S135 and (S136 S137 S138 S139 S140 S141)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 10:49
S143	0	2009/0130942	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:15
S144	0	2009/00130942	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:16
S145	0	"200900130942"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:16

S146	2	"20090130942"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:16
S147	19315	silica adj sol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:01
S148	5643	S147 same2 (reacted reaction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:08
S149	523	S148 and mercapto\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:09
S150	220	(silica adj sol) same (sulfonic mercapto)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/09 18:14
S151	29	S150 and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/09 18:14

S152	67	((silica silicate) near3 sol) and ((silica silicate) near5 (functional\$3)) and (functional\$3 with (mercapto sulfonic sulfonate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 08:15
S153	4	((("5919566") or ("5631338"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/11 08:17
S154	35	S152 and (paper papermaking paper?making)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 08:18
S155	8	S152 and retention	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 08:42
S156	67	((silica silicate) near3 sol) and ((silica silicate) near5 (functional\$3)) and (functional\$3 with (mercapto sulfonic sulfonate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/11 10:51

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L1	2995	(162/164.6,164.4,164.1,175,183,111).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/12/17 11:05
L2	293	(516/111).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/12/17 11:05
L3	3286	1 2	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/17 11:05
L4	28	(silica and sol and (mercapto sulfon\$4) and (pulp paper cellulose)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/17 11:06
L5	5	3 and 4	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/17 11:06

12/ 17/ 2009 11:17:57 AM

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